

See More. Plan Smarter. Harvest with Confidence

Drone data creates a superior operational baseline compared to satellite imagery—**faster** to capture, **easier** to update, and **more accurate** on the ground.



Ferntech supports forest managers, contractors, landowners, and kaitiaki working across commercial forests, native bush, carbon farms, and catchment zones.

Our drone-enabled workflows provide more detail, flexibility, and frequency than satellite imagery – helping you plan smarter, respond faster, and manage your forest with confidence.

By pairing proven DJI systems with local technical support and deep understanding of forestry conditions, Ferntech helps reduce risk, improve visibility, and deliver data that informs real decisions on the ground.

We Help You Solve:

- ▶ Long, risky field walks through remote or hilly terrain
- ▶ Gaps in data for growth modelling, canopy health, or storm damage
- ▶ Pressure to verify and report against carbon or biodiversity plans
- ▶ Manual inspections that take days and slow down decisions
- ▶ Limited insight into track conditions or loading infrastructure post-weather event

“What used to take a field team two days, we now fly in two hours—with more detail and less disruption.”

Forest Planner, Central North Island Forestry Group

What You Can Capture:

Forest Health Monitoring: Detect disease, pest pressure, or water stress early with high-resolution or multispectral imaging – enabling faster intervention in young stands.

Growth & Inventory Assessment: Use 3D models and point clouds to measure canopy height, tree density, and crown size – supporting better thinning and volume estimates.

Infrastructure Checks: Assess road, culvert, and skid site conditions post-storm without sending a crew.

Harvest Planning: Map slopes and run-off zones pre-harvest to optimise layout, equipment movement, and yield extraction with less environmental impact.

Environmental Oversight: Track changes in riparian margins, carbon plots, and biodiversity zones with repeatable flight paths and geotagged imagery.

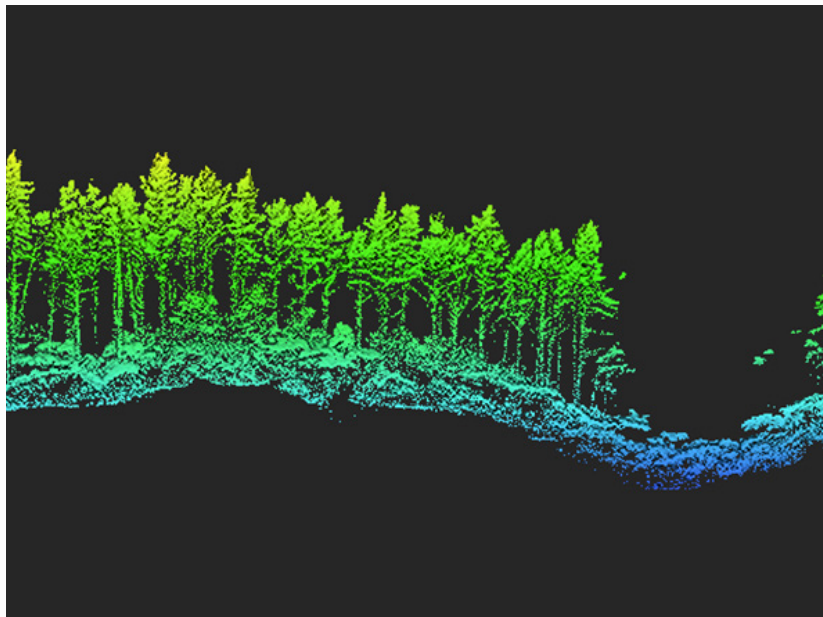
Where It's Used:

- ▶ Pine plantation growth tracking
- ▶ Post-cyclone or storm damage checks
- ▶ Harvest scheduling and verification
- ▶ Carbon credit baseline and audit imagery
- ▶ Mapping new access or skid trails
- ▶ Monitoring of biodiversity and ngahere protection areas



Why Forestry Teams Choose Ferntech:

- ▶ Cut field inspection time by up to 80%
- ▶ Safer access to steep or remote areas
- ▶ Better data for environmental and carbon reporting
- ▶ Easy integration with forestry and GIS platforms
- ▶ Ongoing local support, custom training, and certified DJI servicing



What You Get with Ferntech:

- ▶ Drone application training for capturing correct data efficiently
- ▶ Drone and payload fit for your forest type and data needs
- ▶ Flight Support: Advice with planning, approvals, and Part 102
- ▶ Training and onboarding for in-house or contractor teams
- ▶ Local after-sales support, repairs, and DJI-certified servicing

